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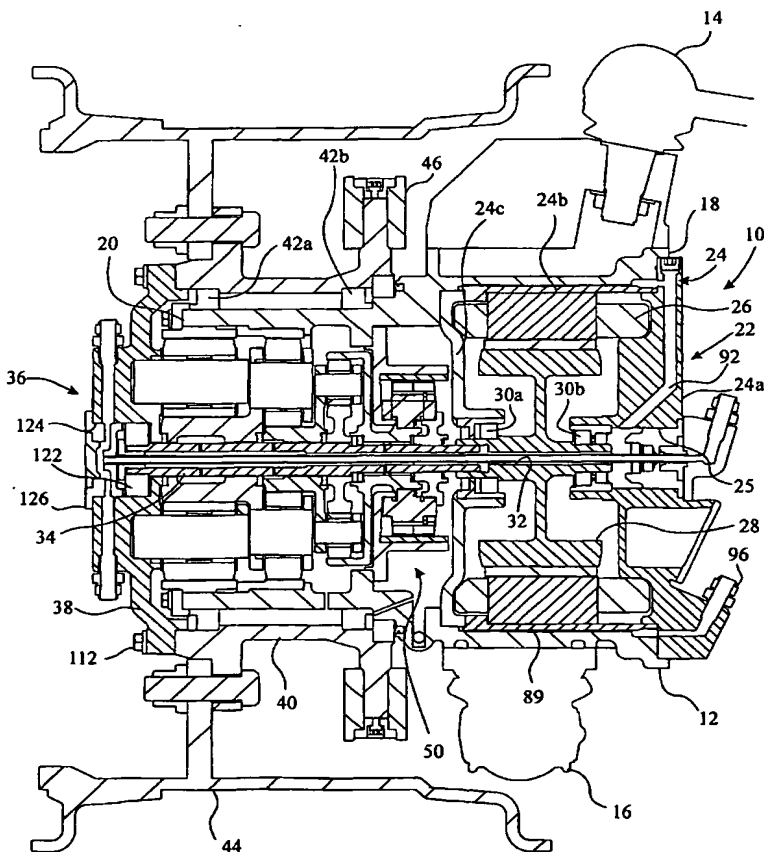
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(54) Title: HUB DRIVE SYSTEM



(57) Abstract: A hub drive (10) has a tubular housing (12) suspended in a vehicle, and a motor (22) in one, inboard end of the housing, and a gearbox (36) in the other end. A hub (40) is driven by the gearbox and is journaled on the housing. A gallery (89) is defined between the motor and housing to receive lubricant from an external connector (96) to cool the motor before delivery via a passage (92) to a rotor (28) of the motor, and thence to the gearbox to lubricate the gearbox. The drive is dismantlable without removal of the vehicle wheel, from the open ends (18, 20) of the housing. A gear change mechanism (50) permits minimisation of the motor while still providing a wide range of torque and speed capability.